CDP-C50/C50M

SERVICE MANUAL

AEP Model
Canadian Model
E Model
CDP-C50

AEP Model
UK Model
E Model
CDP-C50M

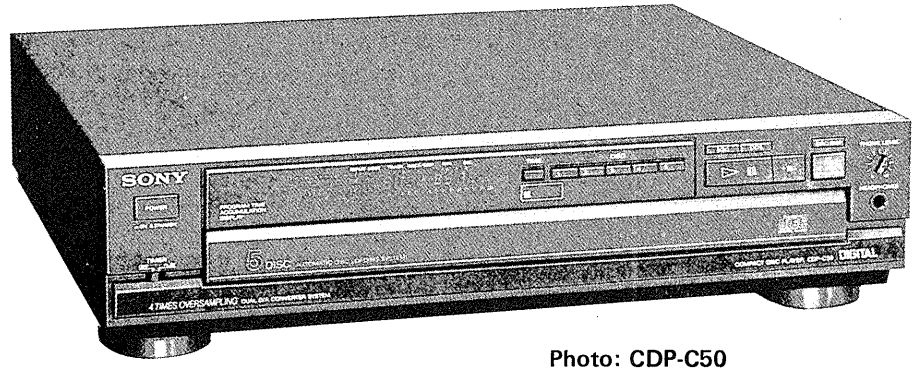


Photo: CDP-C50

COMPACT disc DIGITAL AUDIO

SPECIFICATIONS

COMPACT DISC PLAYER

System — Compact disc digital audio system

Laser — Semiconductor laser (λ = 780 nm)
Emission duration: continuous

Laser output — Max. 44.6 μW*
* This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

Frequency response
2 Hz – 20 kHz (±1.0 dB)

Signal to noise ratio
More than 100 dB

Dynamic range — More than 88 dB

Harmonic distortion
Less than 0.05% (1 kHz)

Channel separation
More than 95 dB (1 kHz)

Wow and flutter — Below measurable limit

Outputs — LINE OUT (phono jacks)
Output level 2 V (at 50 kilohms)
Load impedance over 10 kilohms
HEADPHONES (stereo phone jack)
Output level 0 – 2.4 mW (variable)
(at 32 ohms)

General

Power requirements
UK model: 240 V AC, 50 Hz
AEP model: 220 V AC, 50 Hz
Canadian model: 120 V AC, 60 Hz
E model: 110–120 or 220–240 V AC, adjustable, 50/60 Hz

Power consumption
12 W

Dimensions — CDP-C50:
Approx. 430 x 110 x 385 mm (w/h/d)
(17 x 4 3/8 x 15 1/8 inches)
CDP-C50M:
Approx. 355 x 105 x 385 mm (w/h/d)
(14 x 4 1/4 x 15 1/8 inches)
not including projecting parts and controls

Weight — CDP-C50:
Approx. 5.7 kg (12 lbs 10 oz), net
CDP-C50M:
Approx. 5.1 kg (11 lbs 4 oz), net

REMOTE COMMANDER (RM-D55)

Remote control system
Infrared control

Power requirements
3 V DC with two size AA (R6) batteries

Dimensions — Approx. 61 × 20 × 150 mm (w/h/d)
(2 1/2 × 13/16 × 6 inches)

Weight — Approx. 110 g (4 oz)
including batteries

SUPPLIED ACCESSORIES

Audio signal connecting cord
(phono plug × 2⟷phono plug × 2) (1)
Sony SUM-3 (NS) batteries (2)

COMPACT DISC PLAYER

SONY®

TABLE OF CONTENTS

Section	Title	Page
	Specifications	1
	Features	2
	Servicing Note	2
1.	GENERAL	
	Location and Function of Controls	3
2.	DISASSEMBLY	4
3.	ELECTRICAL ADJUSTMENTS	
	RF PLL Frequency Adjustment/Lock Frequency Check	5
	E-F Balance Adjustment	5
	Focus Bias Adjustment	6
	REFERENCE	
	Focus/Tracking Gain Adjustment	7
4.	DIAGRAMS	
4-1.	IC Block Diagrams	9
4-2.	Semiconductor Lead Layouts	11
	• Circuit Boads Location	11
4-3.	Printed Wiring Boards	12
4-4.	Schematic Diagram	15
5.	EXPLODED VIEWS	19
6.	ELECTRICAL PARTS LIST	24

Features

The compact disc player is equipped with 5 disc trays which allow you to choose from a large number and wide variety of selections.

Any disc at any time
can be played using the DISC SELECT buttons.

Multiple functions include:
- PROGRAM play which allows you to play up to 32 selections on any disc in any desired order.
- SHUFFLE play for playing selections in random order.
- REPEAT play for playing a single selection, a single disc, or all the discs again.

SERVICING NOTE

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optical Pick-up Block (including APC board).

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

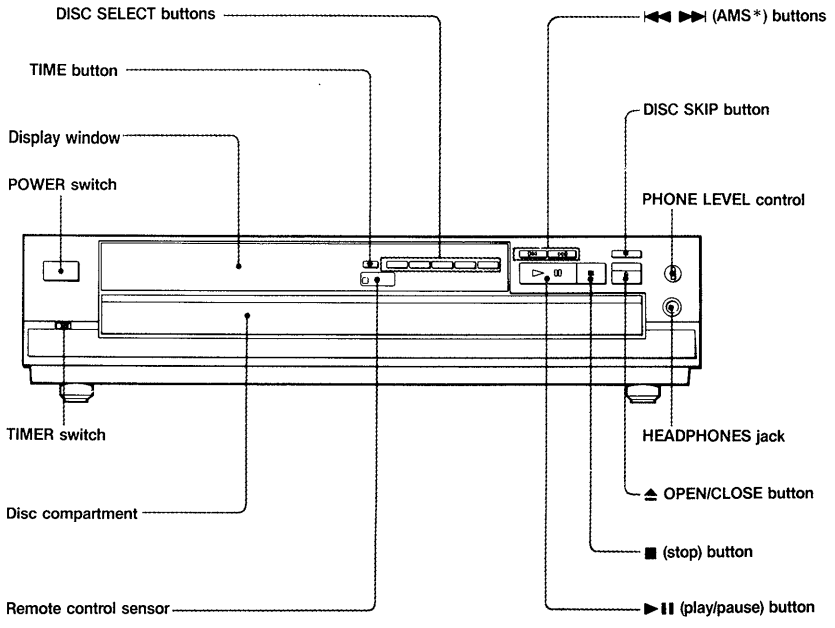
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

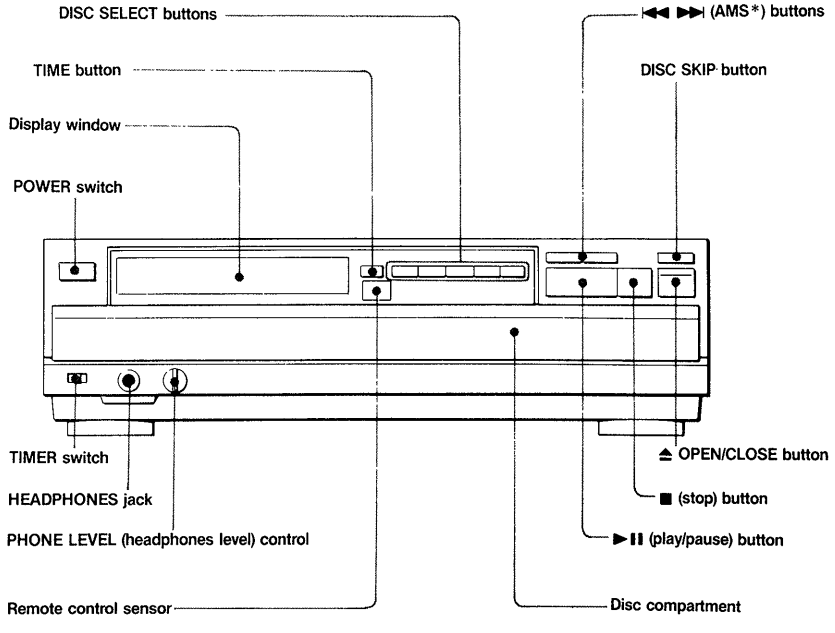
LOCATION AND FUNCTION OF CONTROLS

* AMS is the abbreviation of Automatic Music Sensor

Front Panel of the CDP-C50



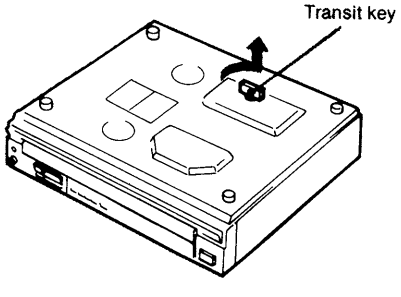
Front Panel of the CDP-C50M



Note on the Transit Key

The white transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place.

When transporting the unit, replace the key in its original hole and lock it in place.



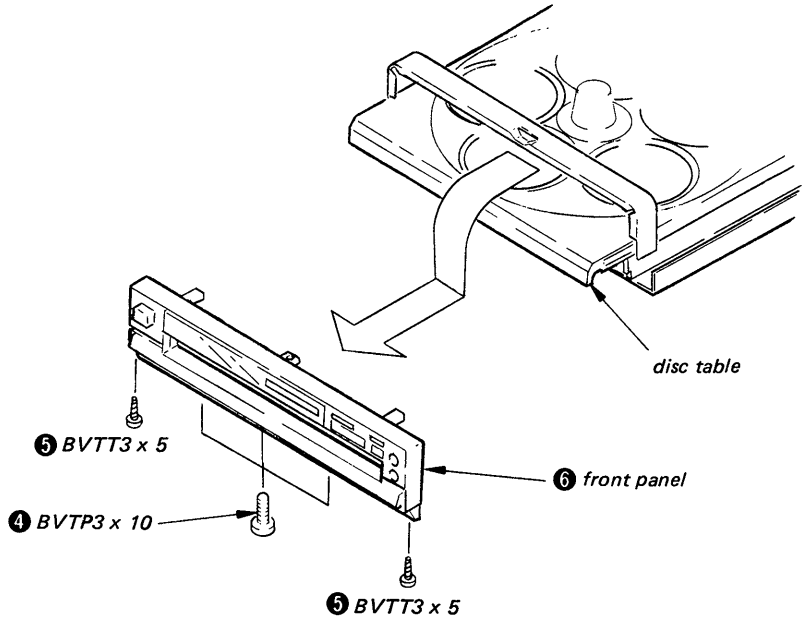
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

FRONT PANEL

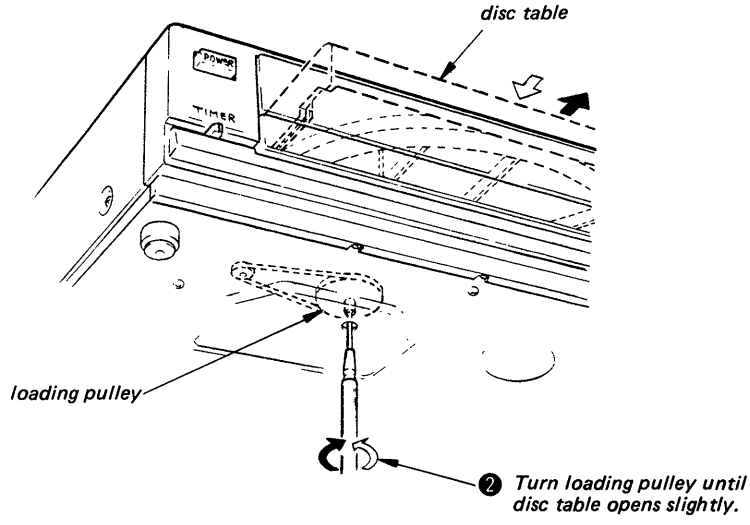
A. When disc table opens automatically by pressing OPEN/CLOSE button;

❶ *Remove top cover.*
❷ *Press POWER switch to turn the power on.*
❸ *Press OPEN/CLOSE button to open disc table.*



B. When disc table dols not open even if OPEN/CLOSE button is pressed;

❶ *Remove top cover.*
❸ *Perform steps A-4 to A-6.*

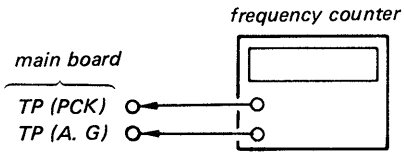


SECTION 3
ELECTRICAL ADJUSTMENTS

1. Perform adjustments in the order given.
2. Use YEDS-18 (Part No.: 3-702-101-01) disc unless otherwise indicated.
3. Use the oscilloscope with more than 10 MΩ impedance.

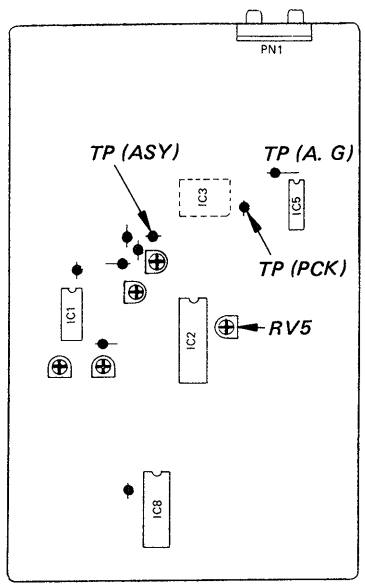
RF PLL Frequency Adjustment/Lock Frequency Check

Procedure:



1. Connect test point TP (ASY) to ground with lead wire.
2. Turn POWER switch on.
3. Connect the frequency counter to test points TP (PCK).
4. Adjust RV5 so that the reading on frequency counter is 4.3218 MHz ±30 kHz.
   . . . . . (RF PLL frequency adjustment)
5. Remove lead wire connecting TP (ASY) to ground.
6. Put disc (YEDS-18) in and press button.
7. Confirm that the reading on frequency counter is 4.3218 MHz.

Adjustment Location: main board

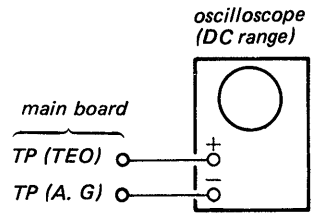


COMPONENT SIDE (FRONT)

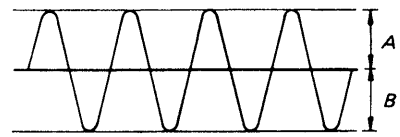
E-F Balance Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure:

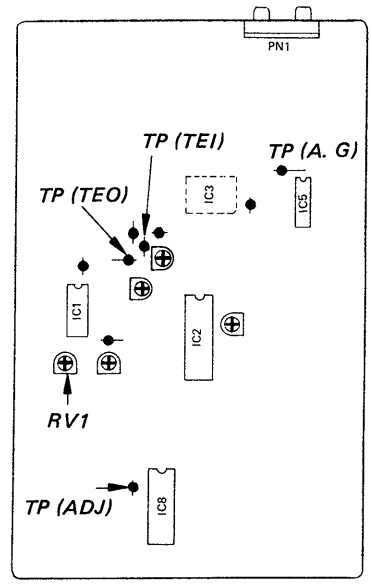


1. Connect test point TP (ADJ) and test point TP (TEI) to ground with lead wire.
2. Connect oscilloscope to test point TP (TEO).
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press button.
5. Adjust RV1 so that the traverse waveform is symmetrical above and below.
6. After adjustment, remove the lead wire connected in step 5.



VOLT/DIV: 1 V
TIME/DIV: 1 ms

Adjustment Location: main board

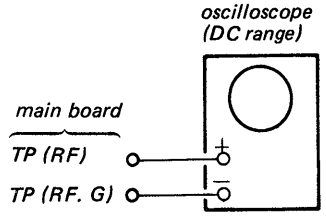


COMPONENT SIDE (FRONT)

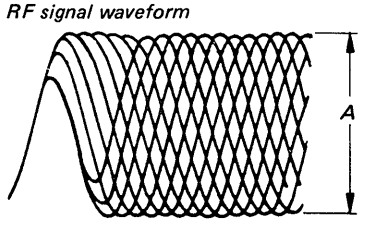
Focus Bias Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure:

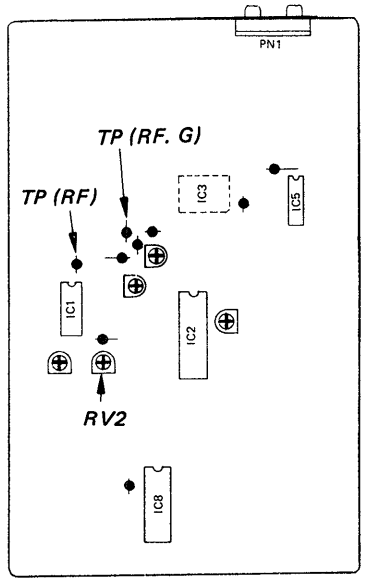


1. Connect oscilloscope to test points TP (RF) and test point TP (RF. G).
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press ▷ button.
4. Adjust RV2 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.



A = 1.2 V ±0.2 (Vp-p)

Adjustment Location: main board



COMPONENT SIDE (FRONT)

REFERENCE

Focus/Tracking Gain Adjustment

A frequency responce analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

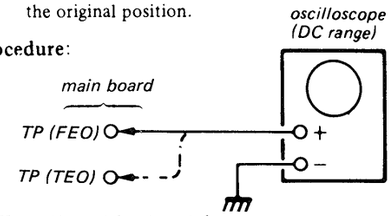
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP →▷PLAY or automatic selection (⏮, ⏭buttons pressed.) (Normally takes about 1 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP→▷PLAY or automatic selection.(⏮, ⏭ buttons pressed.)	–	low
• Disc table opens shortly after STOP→▷PLAY.	low or high	–
• Sound is interrupted during PLAY. Or time counter display stops progressing.	–	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

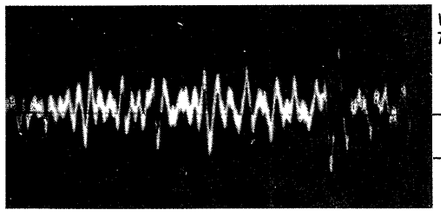
– Primary Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the primary adjustment are only a little different, return the controls to the original position.

Procedure:

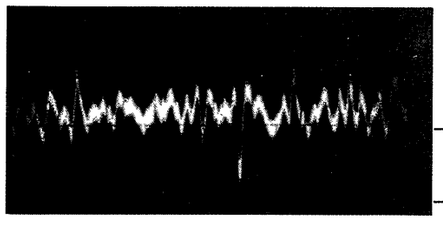


1. Keep the set horizontal.
   (If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18: Fifth Selection) and press ▷ PLAY button.
3. Connect oscilloscope to main amp board TP (FEO).
4. Adjust RV3 so that the waveform is as shown in the figure below. (focus gain adjustment)

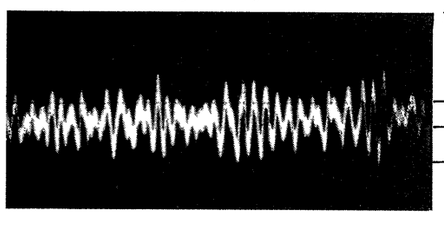


- Incorrent Examples (DC level changes more than on adjusted waveform)

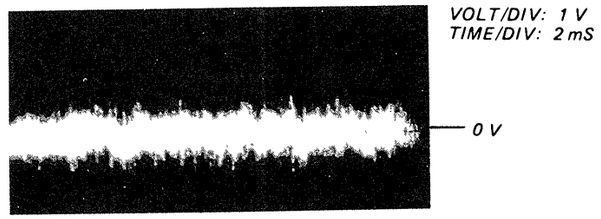
low focus gain



high focus gain

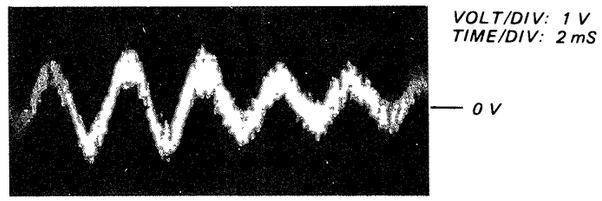


5. Connect oscilloscope to main board TP (TEO).
6. Adjust RV4 so that the waveform is as shown in the figure below. (tracking gain adjustment)

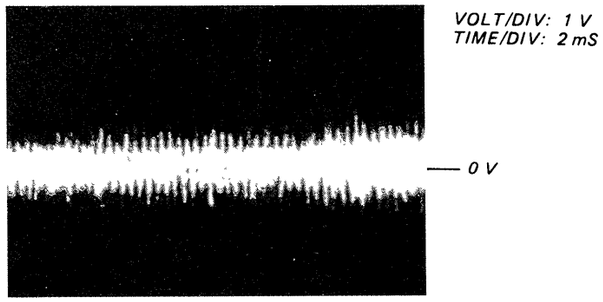


- Incorrect Examples (fundamental wave appears)

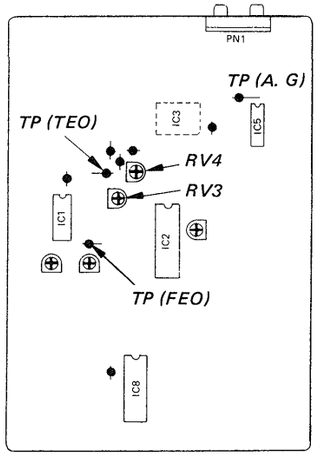
low tracking gain



high tracking gain
(higher fundamental wave than for low gain)



Adjustment Location: main board

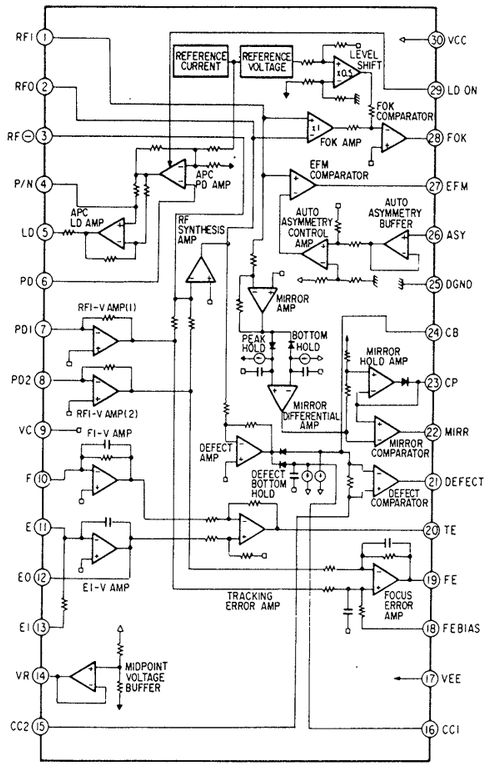


COMPONENT SIDE (FRONT)

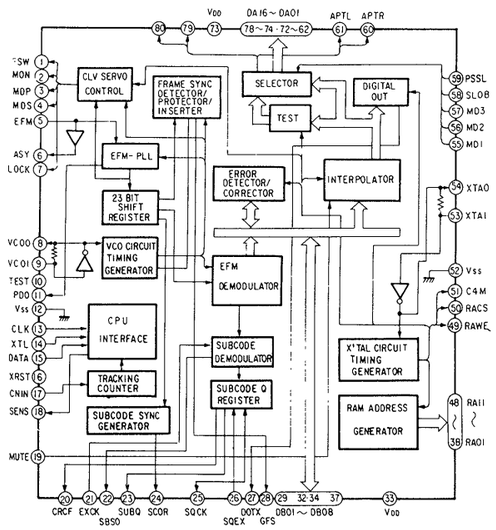
SECTION 4
DIAGRAMS

4-1. IC BLOCK DIAGRAMS

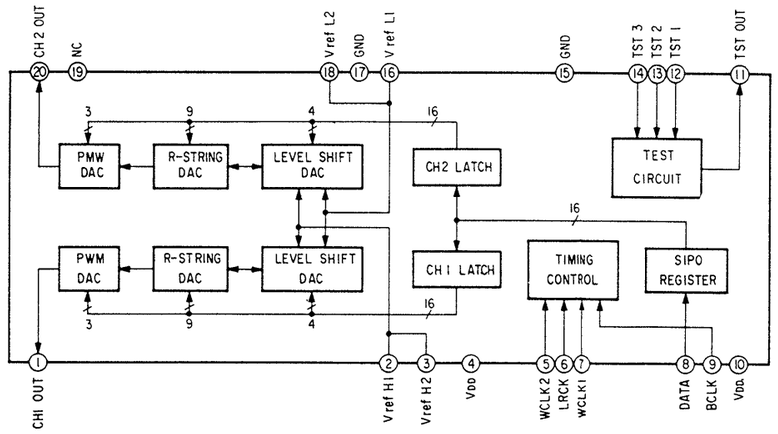
IC1 CXA1081S



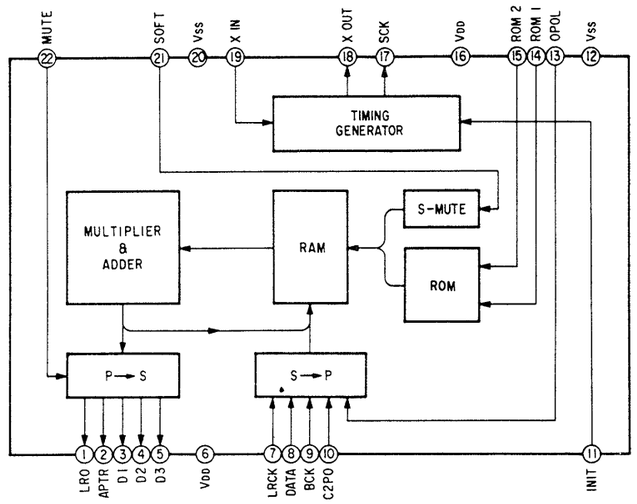
IC3 CXD1125Q



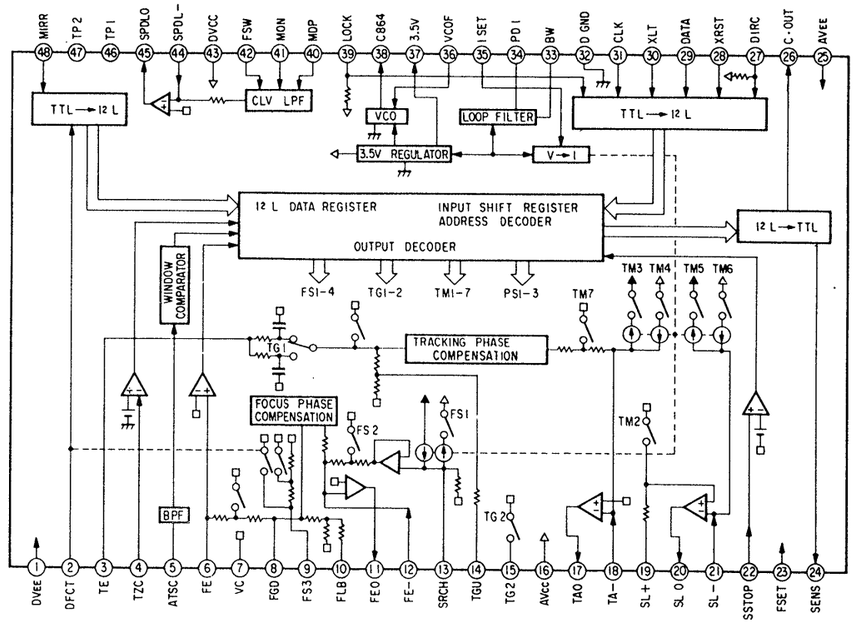
IC5 CXD1161P-2



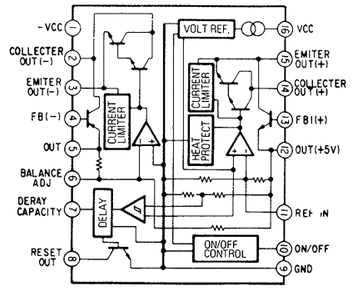
IC4 CXD1162P



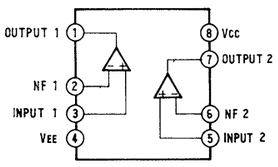
IC2 CXA1182S



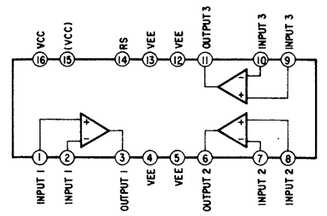
IC9 M5290-16



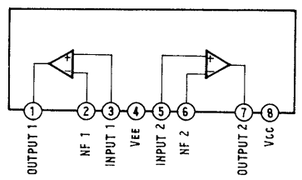
IC201 μPC4558C



IC11, 12 LA6520

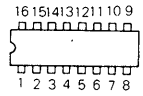


IC6, 7 M5218L

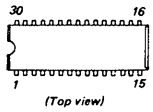


4-2. SEMICONDUCTOR LEAD LAYOUTS

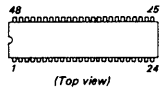
CX23042-10
M5290P-16



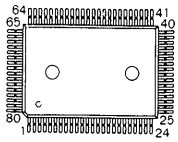
CXA1081S



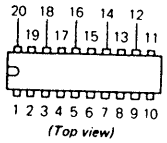
CXA1182S



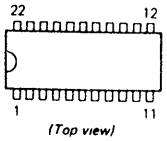
CXD1125Q



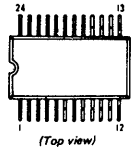
CXD1161P-2



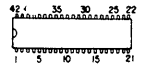
CXD1162P



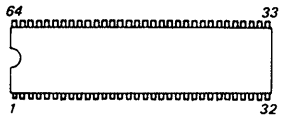
CXK5816M-10L



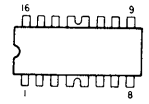
HD614128SA61
MSM6408-26SS



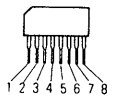
M50747-101SP



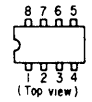
LA6520



M5218L

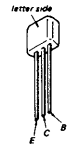


μPC4558C

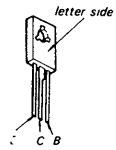


BA1A4M
BN1L4M
2SA1346-TP
2SC3399
2SC3400

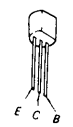
2SA1175
2SC3623-L



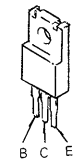
2SB731



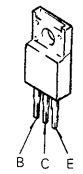
2SB1013



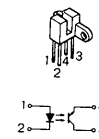
2SB1375



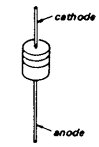
2SD2012



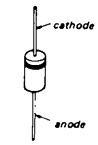
GP1A521



RD4.7ES-B2
RD5.6ES-B2
US1060M

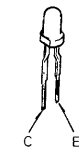


10E2N

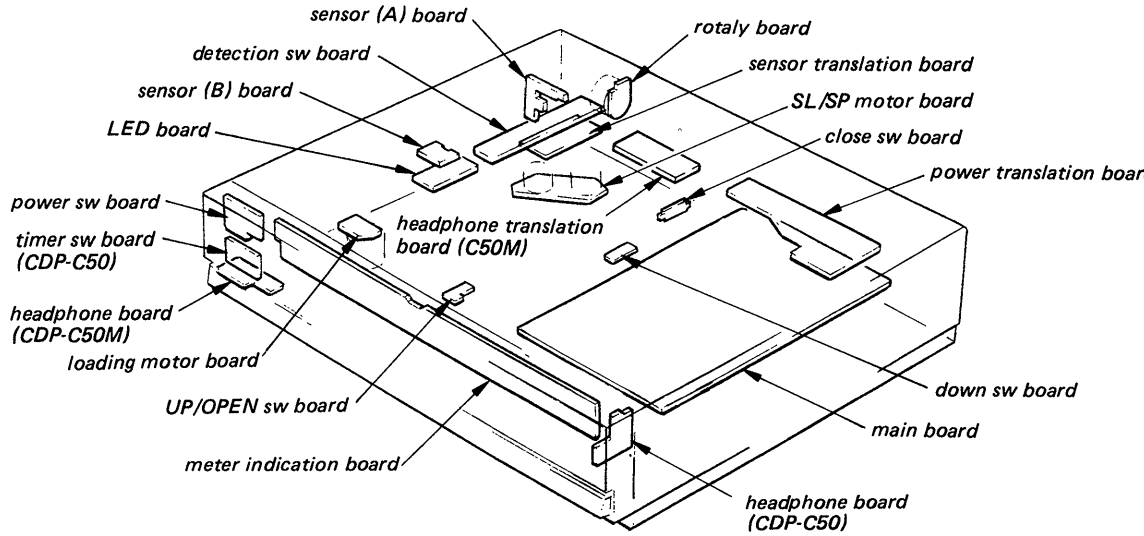


SRA-989A-1

PT360FS

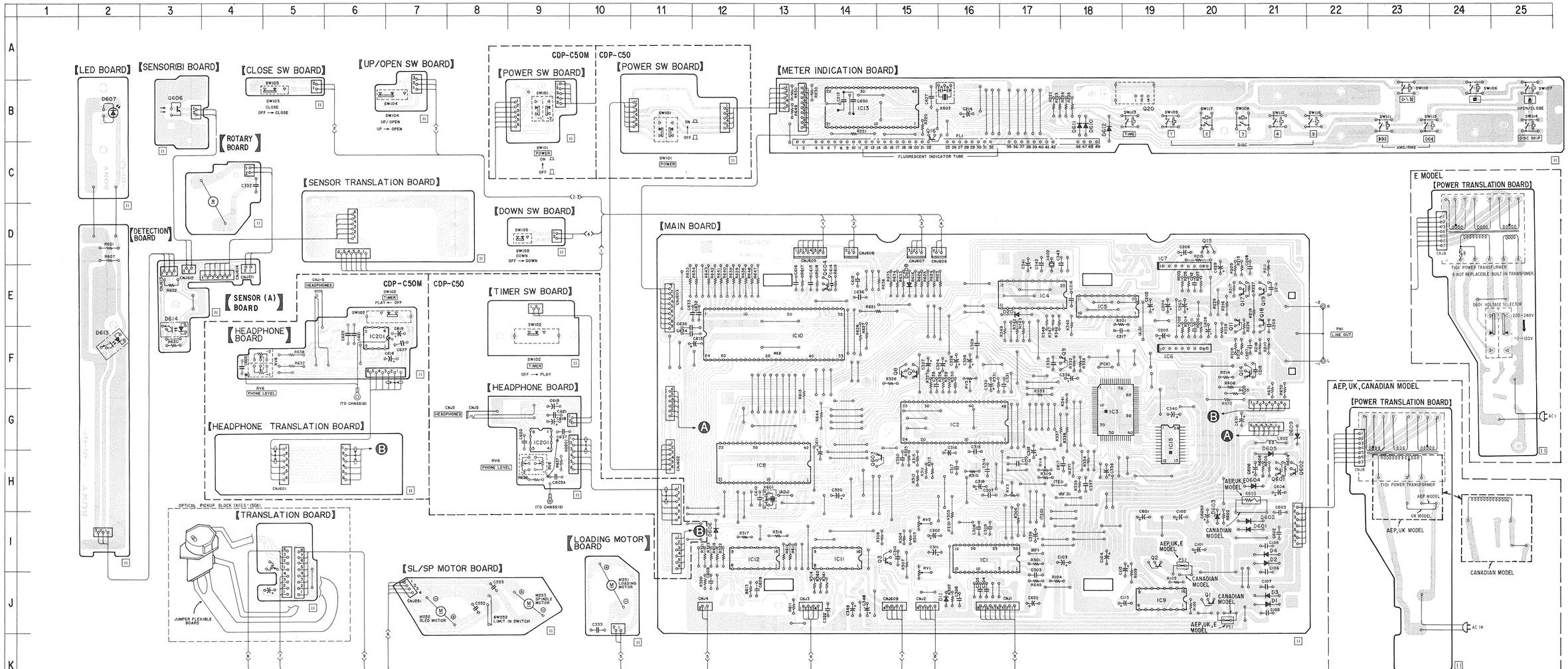


- **Circuit Boards Location**



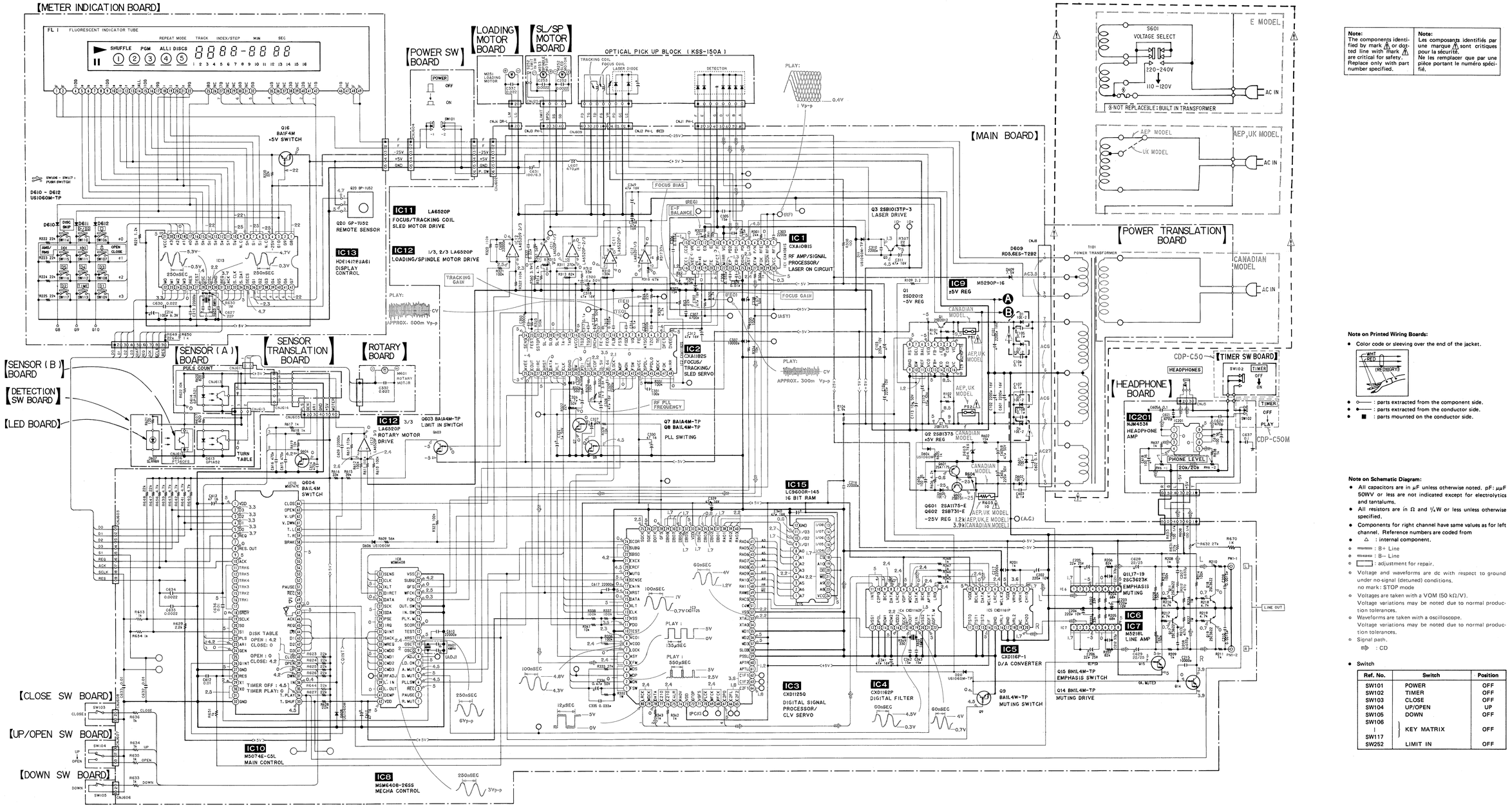
- **Semiconductor Location**

Ref. No.	Location
D1	J-21
D2	I-21
D3	J-21
D4	I-21
D11	J-16
D20	E-17
D601	H-21
D602	I-21
D603	H-20
D604	H-21
D605	G-21
D606	I-12
D607	B-2
D608	E-15
D609	G-21
D610	B-18
D611	B-18
D612	B-18
D613	E-2
D614	E-3
IC1	I-16
IC2	G-16
IC3	G-18
IC4	E-17
IC5	E-18
IC6	F-19
IC7	D-19
IC8	G-13
IC9	J-19
IC10	E-13
IC11	I-14
IC12	I-12
IC13	B-14
IC15	G-19
IC201	E-6, G-9
Q1	J-20
Q2	I-19
Q3	I-15
Q7	F-15
Q8	F-15
Q9	F-17
Q11	E-20
Q14	F-20
Q15	D-20
Q16	B-15
Q17	E-20
Q18	E-21
Q19	E-21
Q20	B-19
Q601	H-21
Q602	H-21
Q603	G-14
Q604	E-14
Q606	B-3



4-4. SCHEMATIC DIAGRAM

• See page 9 for IC Block Diagrams.



Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note on Printed Wiring Boards:

- Color code or sleeving over the end of the jacket.

- ○——○ : parts extracted from the component side.
- ●——● : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- Components for right channel have same values as for left channel. Reference numbers are coded from
- △ : internal component.
- ═══ : B+ Line
- ≡≡≡ : B− Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : STOP mode
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : CD
- Switch

Ref. No.	Switch	Position
SW101	POWER	OFF
SW102	TIMER	OFF
SW103	CLOSE	OFF
SW104	UP/OPEN	UP
SW105	DOWN	OFF
SW106 ~ SW117	KEY MATRIX	OFF
SW252	LIMIT IN	OFF

SECTION 5
EXPLODED VIEWS

NOTE:

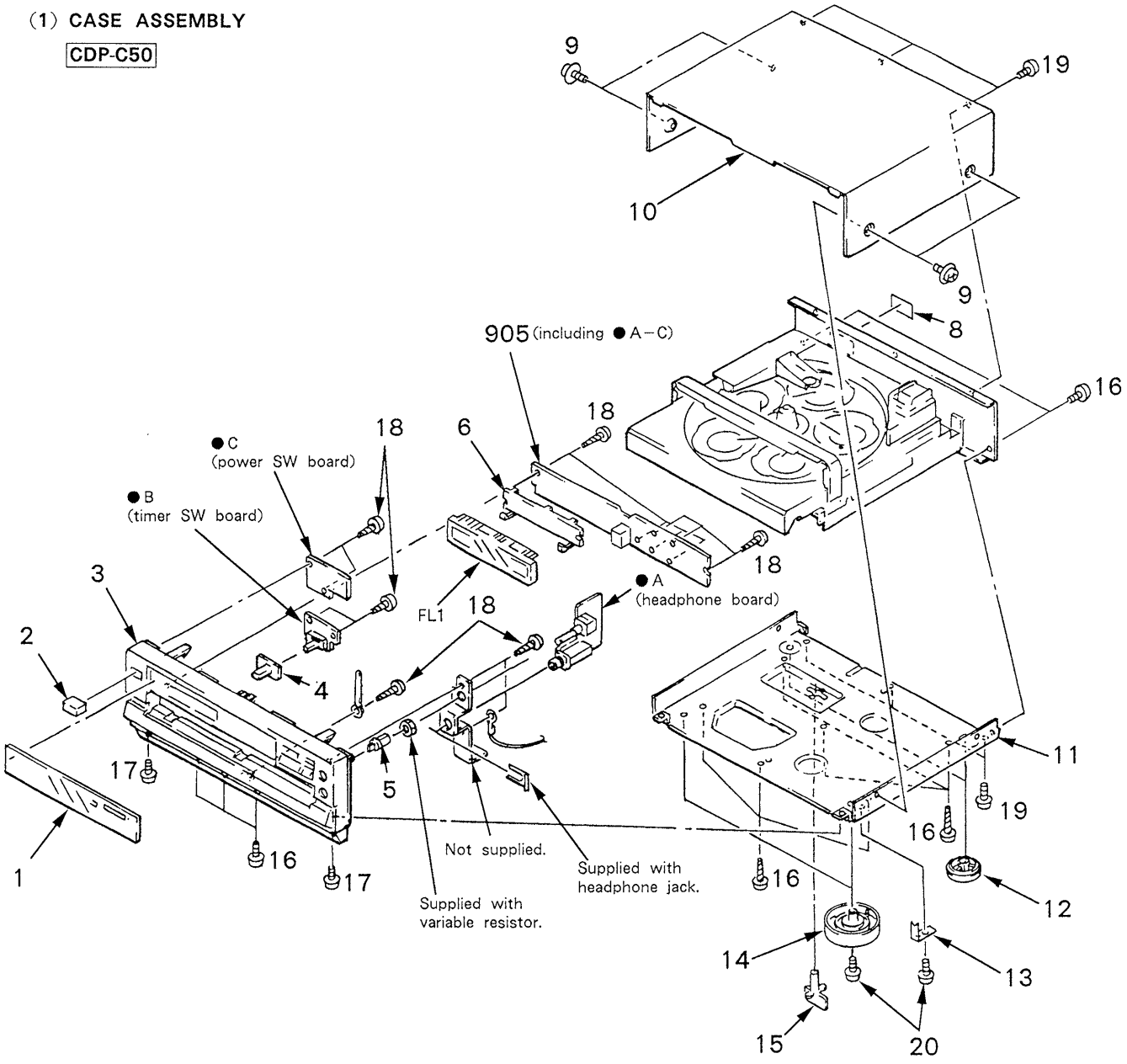
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

(1) CASE ASSEMBLY

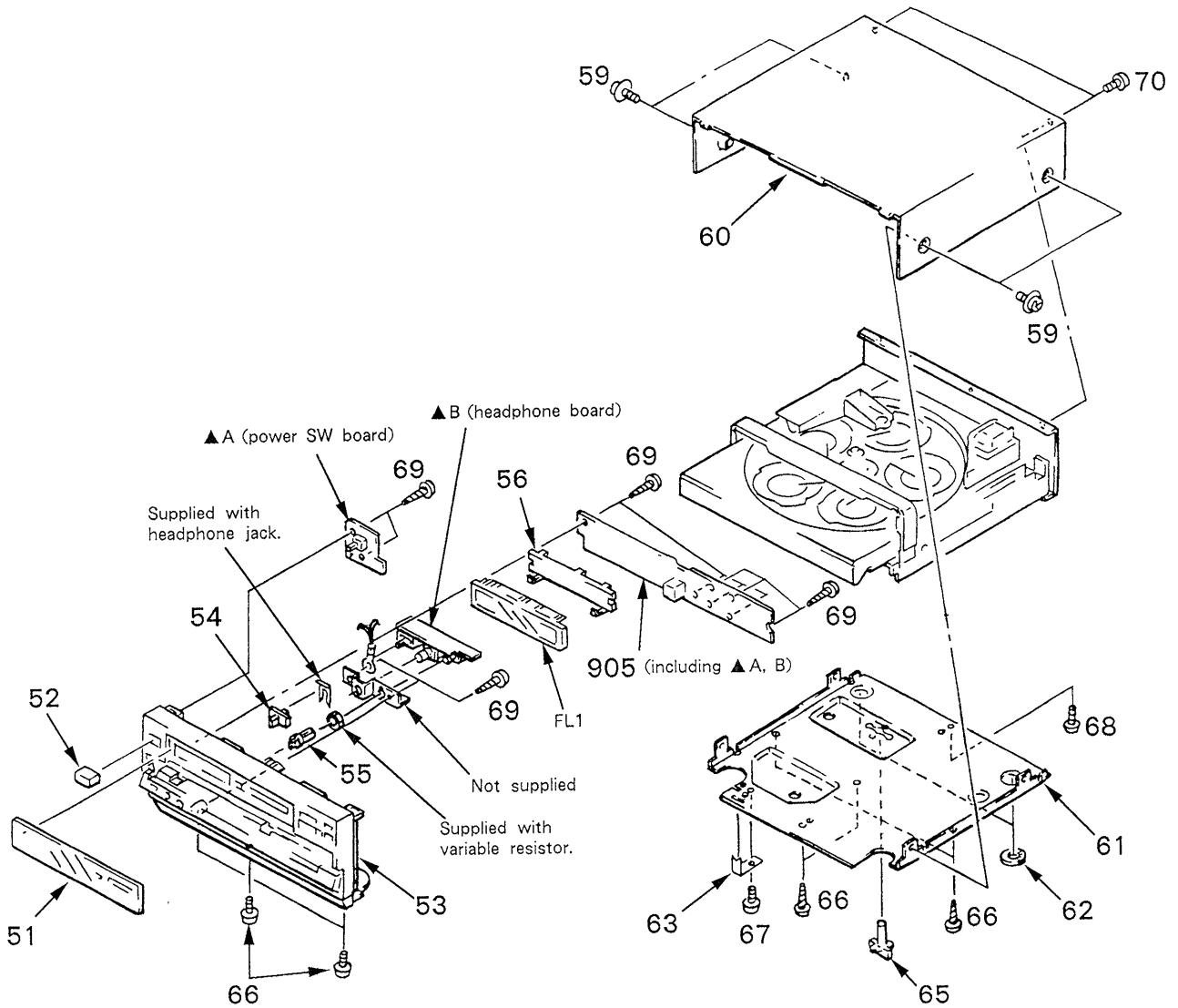
CDP-C50



No.	Part No.	Description	Remarks
1	4-924-440-01	(C50)...PLATE (B), INDICATION	
2	4-922-921-01	(C50)...BUTTON (POWER)	
3	X-4924-404-1	(C50:Canadian)...PANEL ASSY, FRONT	
	X-4924-412-1	(C50:AEP,E).....PANEL ASSY, FRONT	
4	4-924-444-01	(C50)...KNOB (TIMER)	
5	4-923-522-01	(C50)...KNOB (B TYPE), VOL	
6	*4-924-462-01	BRACKET (FL)	
8	*4-885-838-00	(AEP,UK,E)...LABEL, CLASS 1	
9	3-703-279-11	SCREW, S TIGHT, (+) PTTWH (3X8)	
10	4-924-442-01	(C50)...CASE (F)	
11	*4-924-441-01	(C50)...PLATE (FL), BOTTOM	
12	X-4922-001-1	(C50)...FOOT ASSY	
13	*4-924-467-01	PLATE, GROUND	
14	X-4922-508-1	(C50)...FOOT ASSY	
15	*4-924-418-01	PLATE (TRANSPORT), LOCK	
16	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
17	7-685-870-09	SCREW +BVTT 3X5 (S)	
18	7-685-534-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
19	3-703-685-31	(C50)...SCREW	
20	7-685-871-09	SCREW +BVTT 3X6	
905	*1-625-966-11	PC BOARD, METER INDICATION	
FL1	1-519-451-11	INDICATOR TUBE, FLUORESCENT	

(2) CASE ASSEMBLY

CDP-C50M



No.	Part No.	Description	Remarks
51	4-924-429-01	(C50M)...PLATE (A), INDICATION	
52	4-922-903-01	(C50M:BLACK)...BUTTON (POWER)	
	4-922-903-11	(C50M:GRAY)....BUTTON (POWER)	
53	X-4924-411-1	(C50M:BLACK)...PANEL ASSY, FRONT	
	X-4924-419-1	(C50M:GRAY)....PANEL ASSY, FRONT	
54	4-922-518-01	(C50M:BLACK)...KNOB (TIMER)	
	4-922-518-21	(C50M:GRAY)....KNOB (TIMER)	
55	4-922-531-01	(C50M:BLACK)...KNOB (A TYPE), LOV	
	4-922-531-21	(C50M:GRAY)....KNOB (A TYPE), LOV	
56	*4-924-462-01	BRACKET (FL)	
58	*4-885-838-00	(AEP,UK,E)...LABEL, CLASS 1	
59	3-703-279-11	SCREW, S TIGHT, (+) PTTWH (3X8)	
60	4-924-436-01	(C50M:BLACK)...CASE (M)	
	4-924-436-11	(C50M:GRAY)....CASE (M)	

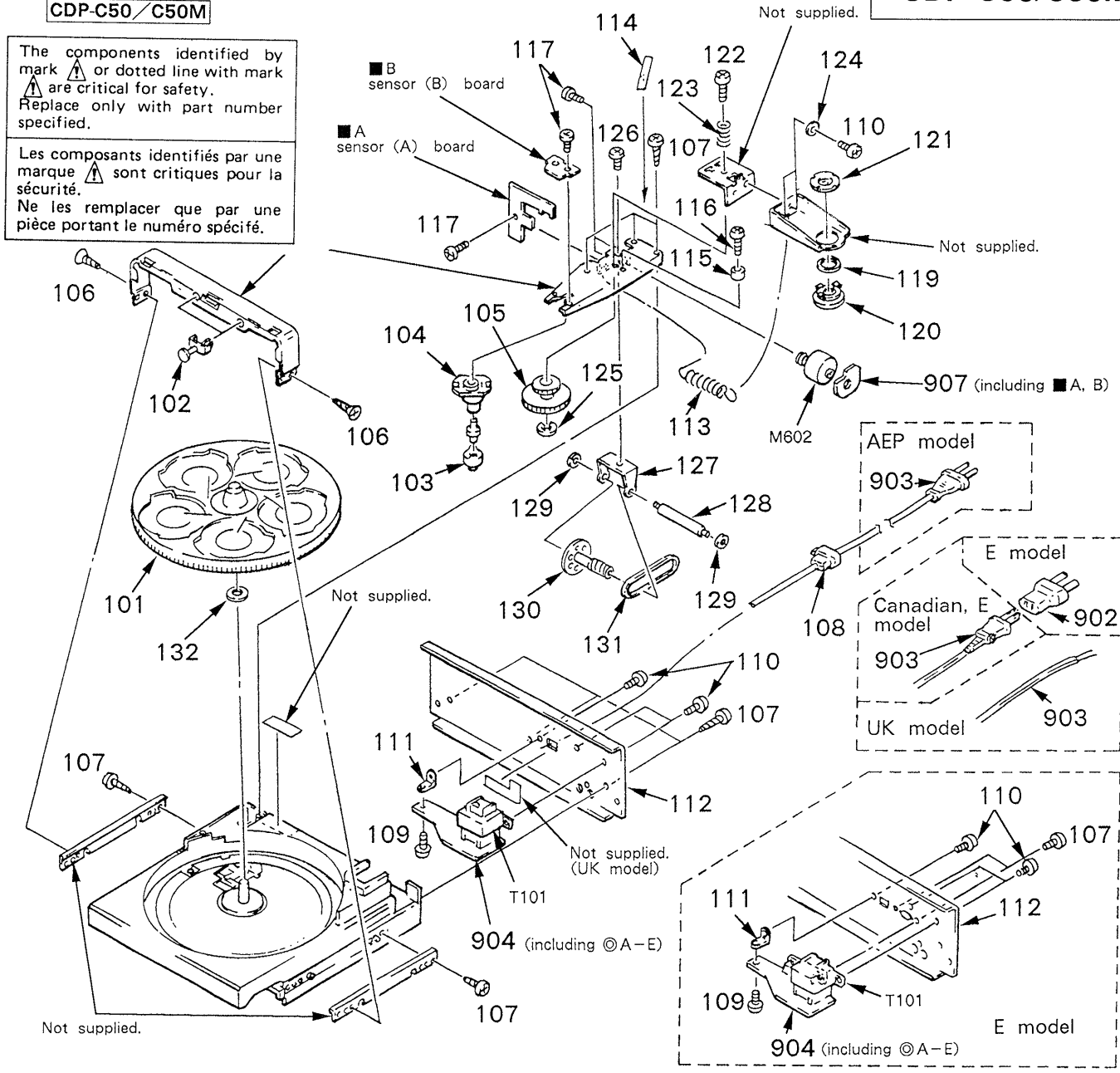
No.	Part No.	Description	Remarks
61	*4-924-438-01	(C50M)...PLATE (M), BOTTOM	
62	4-924-410-01	(C50M)...FELT	
63	*4-924-467-01	PLATE, GROUND	
65	*4-924-418-01	PLATE (TRANSPORT), LOCK	
66	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
67	7-682-147-01	SCREW +BVTT 3X6 (S)	
68	3-703-685-31	(C50)...SCREW	
69	7-685-534-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
70	3-703-685-21	(BLACK)...SCREW (+BV 3X8)	
	3-703-685-31	(GRAY)....SCREW +BV 3X8	
905	*1-625-966-11	PC BOARD, METER INDICATION	
FL1	1-519-451-11	INDICATOR TUBE, FLUORESCENT	

(3) ROTALY and REAR PANEL ASSEMBLY

CDP-C50／C50M

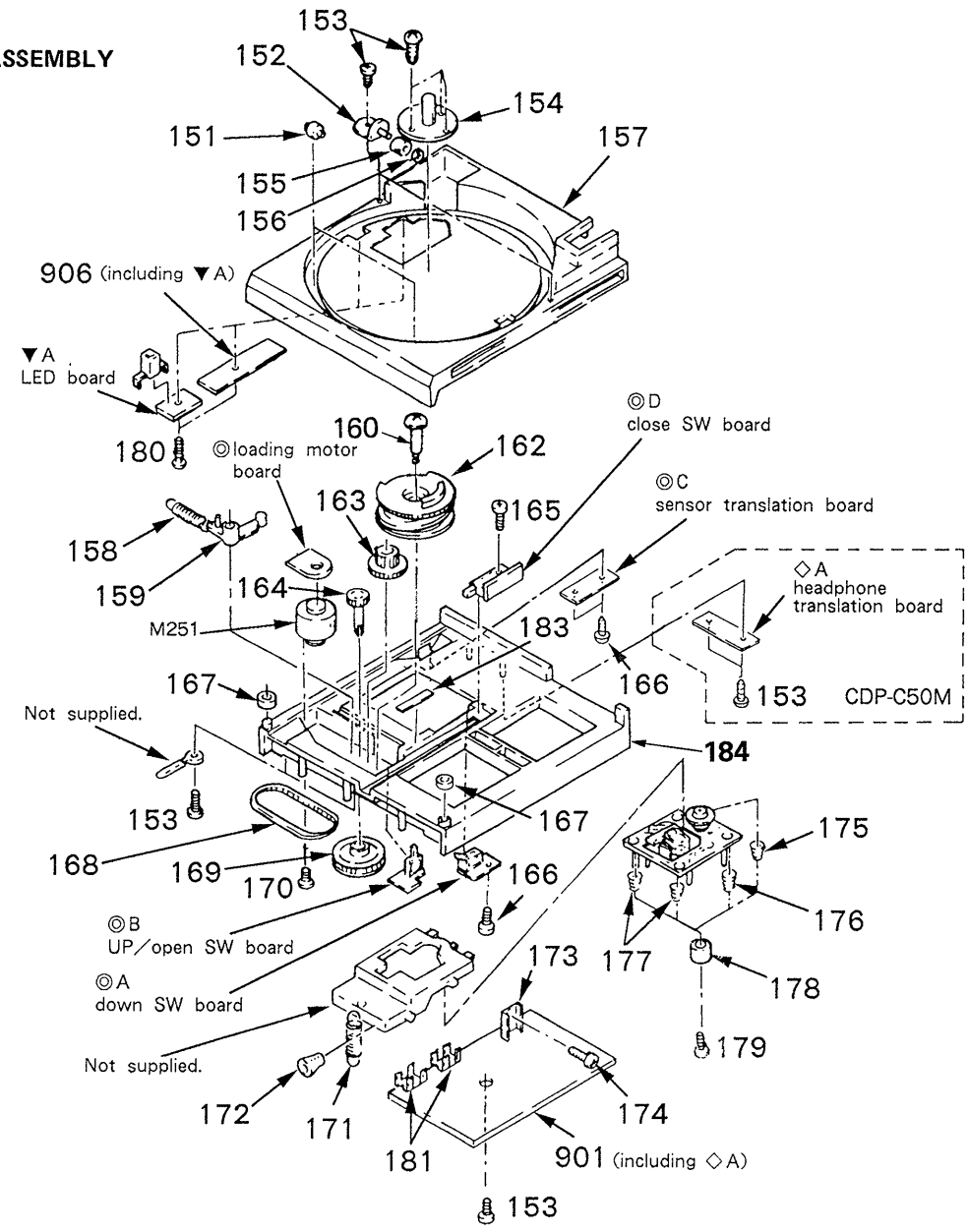
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.



No.	Part No.	Description	Remarks
101	*4-924-405-01	TABLE (B), DISK	
102	*4-837-107-00	SPACER	
103	*4-924-408-01	HOLDER (B), LED	
104	*4-924-409-01	HOLDER (A), LED	
105	4-924-414-01	GEAR (WH)	
106	7-685-248-19	SCREW +KTP 3X12 TYPE2 NON-SLIT	
107	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
108	⚠.3-703-244-00	(Canadian,AEP,UK)...BUSHING (2104), CORD	
	⚠.3-703-571-11	(E).....BUSHING (S) (4516), CORD	
109	7-682-147-01	SCREW +BVTT 3X6 (S)	
110	7-685-871-09	SCREW +BVTT 3X6	
111	*4-923-506-01	BRACKET (PC BOARD)	
112	*4-924-401-21	(C50:AEP).....PANEL (FL), BACK	
	*4-924-401-41	(C50:Canadian)...PANEL (FL), BACK	
	*4-924-401-51	(C50:E).....PANEL (FL), BACK	
	*4-924-402-11	(C50M:UK)....PANEL (M), BACK	
	*4-924-402-21	(C50M:E).....PANEL (M), BACK	
	*4-924-402-31	(C50M:AEP)...PANEL (M), BACK	
113	4-924-421-01	SPRING (C), TENSION	
114	3-831-441-XX	CUSHION (B), CABINET	
115	*3-654-058-00	SPACER 3X3	
116	7-685-872-09	SCREW +BVTT 3X8 (S)	
117	7-621-259-15	SCREW +P 2.6X3	
119	1-452-340-21	MAGNET	
120	*4-921-022-01	PULLEY, CHUCKING	
121	*4-921-029-01	YOKE, CHUCKING	
122	7-685-870-09	SCREW +BVTP 3X5 (S)	
123	4-924-477-01	SPRING, COMPRESSION	
124	7-688-003-01	W 3, SMALL	
125	7-624-106-04	STOP RING 3.0, TYPE -E	
126	7-682-548-09	SCREW +B 3X8	
127	*4-924-424-01	BRACKET (WORM)	
128	4-924-420-01	SHAFT (W)	
129	3-669-465-00	WASHER (1.5), STOPPER	
130	4-924-419-01	PULLEY (WORM)	
131	4-917-548-02	BELT, DRIVING	
132	4-926-307-01	WASHER	
902	⚠.1-526-565-00	(E).....AC PLUG ADAPTOR	
903	⚠.1-551-188-XX	(E) .....CORD, POWER	
	⚠.1-551-478-00	(Canadian)...CORD, POWER	
	⚠.1-555-795-00	(AEP).....CORD, POWER	
	⚠.1-556-035-00	(UK).....CORD, POWER	
904	*1-625-965-11	PC BOARD, POWER TRANSLATION	
907	*1-626-040-11	PC BOARD, ROTARY	
M602	A-4608-351-A	MOTOR ASSY, ROTARY	
T101	⚠.1-449-216-11	(Canadian)...TRANSFORMER, POWER	
T101	⚠.1-449-217-11	(AEP,UK).....TRANSFORMER, POWER	
T101	⚠.1-449-218-11	(E).....TRANSFORMER, POWER	

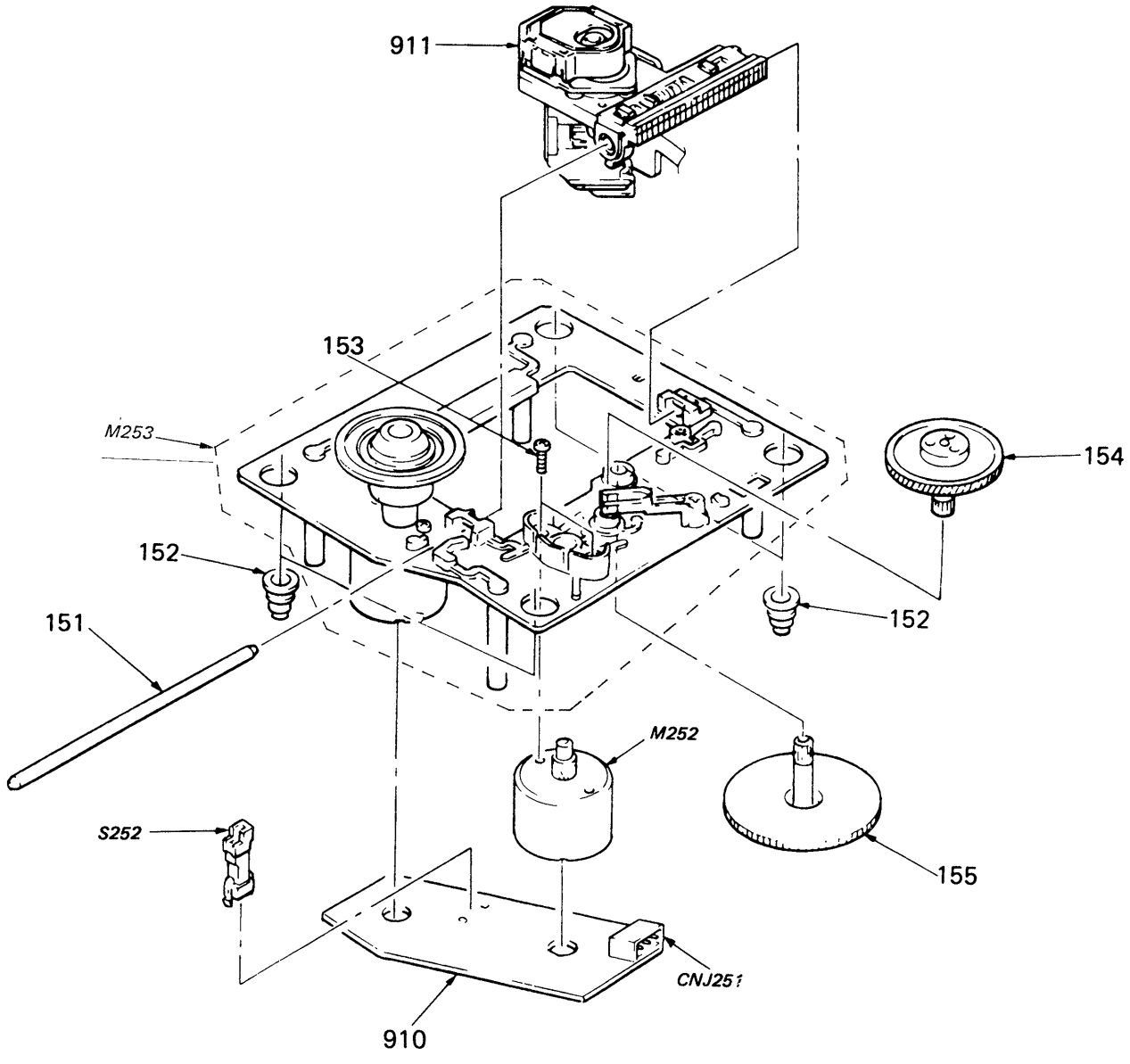
(4) DISK TABLE ASSEMBLY



No.	Part No.	Description	Remarks
151	*X-4924-409-1	SHAFT (ROLLER B) ASSY	
152	*X-4924-410-1	BRACKET (ROLLER) ASSY	
153	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
154	*X-4924-402-1	BRACKET (A) ASSY	
155	*X-4924-408-3	COLLAR ROLLER) ASSY	
156	3-325-290-21	WASHER, STOPPER	
157	4-924-406-01	(BLACK)...TABLE (A), DISK	
	4-924-406-11	(GRAY)....TABLE (A), DISK	
158	4-924-412-01	SPRING (B), TENSION	
159	4-917-519-01	LEVER, SET	
160	4-926-317-01	SCREW,STEP	
162	4-924-431-01	GEAR (LOADING A)	
163	4-924-426-01	GEAR (LOADING C)	
164	4-924-425-01	GEAR (LOADING B)	
165	7-685-537-19	SCREW +P 2.6X14 TYPE2 NON-SLIT	
166	7-685-646-11	SCREW +BVTP 3X8 TYPE2 N-S	
167	*3-576-990-01	CUSHION	
168	4-924-478-01	BELT (TIMING)	

No.	Part No.	Description	Remarks
169	4-924-474-01	PULLEY (LOADING)	
170	7-628-254-00	+PSW, 2.6X5	
171	4-924-411-01	SPRING (A), TENSION	
172	4-917-515-01	ROLLER	
173	*4-875-327-01	HEAT SINK	
174	7-682-147-01	SCREW +BVTT 3X6 (S)	
175	4-918-669-01	SPRING (W)	
176	4-917-541-01	SPRING (B)	
177	4-917-507-01	SPRING (H)	
178	4-917-508-01	HOLDER, SP	
179	7-685-135-19	SCREW +P 2.6X10 TYPE2 NON-SLIT	
180	7-685-134-19	SCREW, TOTSU BTP 2.6X8 TYPE2	
181	*4-922-525-01	HEAT SINK	
183	*4-926-316-01	SHEET	
184	4-924-407-06	FRAME	
901	*A-4651-192-A	(C50:Canadian)...MOUNTED PCB, MAIN	
	*A-4651-205-A	(C50M).....MOUNTED PCB, MAIN	
	*A-4651-206-A	(C50:AEP,E).....MOUNTED PCB, MAIN	
906	*1-625-967-11	PC BOARD, DETECTION SWITCH	
M251	A-4608-350-A	MOTOR ASSY, LOADING	

(5) OPTICAL PICK-UP BLOCK (BU-5C)



No.	Part No.	Description	Remarks
151	4-917-565-01	SHAFT, SLED	
152	4-917-562-01	INSULATOR	
153	7-621-255-15	SCREW +P 2X3	
154	4-917-567-01	GEAR (M)	
155	4-917-564-01	GEAR (P), FLATNESS	

No.	Part No.	Description	Remarks
910	*1-624-322-11	PC BOARD, SL/SP MOTOR	
911	⚠8-848-062-01	**DEVICE,OPTICS (KSS-150A)**	
CNJ251	*1-564-720-21	PIN, CONNECTOR (SMALL TYPE) 4P	
M252	X-4917-504-1	ASSY, MOTOR (SLED)	
M253	X-4917-523-1	ASSY, MOTOR (SPINDLE)	
S252	1-571-274-11	SWITCH, LEAF **(LIMIT IN)**	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
901	*A-4651-192-A	(C50:Canadian)...MOUNTED PCB, MAIN
	*A-4651-205-A	(C50M).....MOUNTED PCB, MAIN
	*A-4651-206-A	(C50:AEP,E).....MOUNTED PCB, MAIN
902	.1-526-565-00	(E).....AC PLUG ADAPTOR
903	⚠.1-551-188-XX	(E).....CORD, POWER
	⚠.1-551-478-00	(Canadian)...CORD, POWER
	⚠.1-555-795-00	(AEP).....CORD, POWER
	⚠.1-556-035-00	'UK).....CORD, POWER
904	*1-625-965-11	PC BOARD, POWER TRANSLATION
905	*1-625-966-11	PC BOARD, METER INDICATION
906	*1-625-967-11	PC BOARD, DETECTION SWITCH
907	*1-626-040-11	PC BOARD, ROTARY
910	*1-624-322-11	PC BOARD, SL/SP MOTOR
911	⚠.8-848-062-01	PICK UP, OPTICS KSS-150A

Ref.No.	Part No.	Description			
C101	1-124-556-11	ELECT	2200MF	20%	16V
C102	1-124-556-11	ELECT	2200MF	20%	16V
C103	1-124-444-00	ELECT	220MF	20%	10V
C104	1-124-444-00	ELECT	220MF	20%	10V
C105	1-136-165-00	FILM	0.1MF	5%	50V
C106	1-136-165-00	FILM	0.1MF	5%	50V
C107	1-136-165-00	FILM	0.1MF	5%	50V
C108	1-136-165-00	FILM	0.1MF	5%	50V
C112	1-123-875-11	ELECT	10MF	20%	50V
C113	1-123-875-11	ELECT	10MF	20%	50V
C202	1-124-444-00	ELECT	220MF	20%	10V
C203	1-124-444-00	ELECT	220MF	20%	10V
C204	1-124-444-00	ELECT	220MF	20%	10V
C205	1-124-908-11	ELECT	22MF	20%	25V
C206	1-124-908-11	ELECT	22MF	20%	25V
C207	1-136-159-00	FILM	0.033MF	5%	50V
C208	1-136-159-00	FILM	0.033MF	5%	50V
C209	1-106-347-00	MYLAR	0.0015MF	5%	50V
C210	1-106-347-00	MYLAR	0.0015MF	5%	50V
C211	1-162-211-31	CERAMIC	33PF	5%	50V
C212	1-162-211-31	CERAMIC	33PF	5%	50V
C213	1-161-494-00	CERAMIC	0.022MF		25V
C214	1-124-443-00	ELECT	100MF	20%	6.3V
C215	1-161-379-00	CERAMIC	0.01MF	30%	16V
C216	1-161-494-00	CERAMIC	0.022MF		25V
C217	1-161-494-00	CERAMIC	0.022MF		25V
C252	1-106-351-00	MYLAR	0.0022MF	5%	50V
C253	1-106-351-00	MYLAR	0.0022MF	5%	50V
C302	1-124-477-11	ELECT	47MF	20%	16V
C303	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C304	1-162-203-31	CERAMIC	15PF	5%	50V
C305	1-162-203-31	CERAMIC	15PF	5%	50V

Ref.No.	Part No.	Description			
C306	1-136-159-00	FILM	0.033MF	5%	50V
C307	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C308	1-136-159-00	FILM	0.033MF	5%	50V
C309	1-136-153-00	FILM	0.01MF	5%	50V
C310	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C311	1-124-477-11	ELECT	47MF	20%	16V
C312	1-124-477-11	ELECT	47MF	20%	16V
C313	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C314	1-136-165-00	FILM	0.1MF	5%	50V
C315	1-136-159-00	FILM	0.033MF	5%	50V
C316	1-123-382-00	ELECT	3.3MF	20%	50V
C317	1-136-165-00	FILM	0.1MF	5%	50V
C318	1-124-477-11	ELECT	47MF	20%	16V
C320	1-123-875-11	ELECT	10MF	20%	50V
C322	1-136-169-00	FILM	0.22MF	5%	50V
C324	1-124-499-11	ELECT	1MF	20%	50V
C325	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C326	1-124-927-11	ELECT	4.7MF	20%	50V
C327	1-124-499-11	ELECT	1MF	20%	50V
C328	1-124-477-11	ELECT	47MF	20%	16V
C329	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C330	1-124-477-11	ELECT	47MF	20%	16V
C331	1-162-282-31	CERAMIC	100PF	10%	50V
C332	1-161-494-00	CERAMIC	0.022MF		25V
C333	1-161-494-00	CERAMIC	0.022MF		25V
C335	1-136-159-00	FILM	0.033MF	5%	50V
C336	1-124-902-00	ELECT	0.47MF	20%	50V
C337	1-161-379-00	CERAMIC	0.01MF	30%	16V
C338	1-124-902-00	ELECT	0.47MF	20%	50V
C339	1-124-477-11	ELECT	47MF	20%	16V
C340	1-124-477-11	ELECT	47MF	20%	16V
C341	1-124-477-11	ELECT	47MF	20%	16V
C342	1-162-203-31	CERAMIC	15PF	5%	50V
C343	1-162-203-31	CERAMIC	15PF	5%	50V
C348	1-124-477-11	ELECT	47MF	20%	16V
C349	1-124-477-11	ELECT	47MF	20%	16V
C350	1-161-379-00	CERAMIC	0.01MF	30%	16V
C601	1-124-556-11	ELECT	2200MF	20%	16V
C602	1-136-165-00	FILM	0.1MF	5%	50V
C603	1-136-165-00	FILM	0.1MF	5%	50V
C604	1-124-911-11	ELECT	220MF	20%	50V
C605A	1-136-165-00	FILM	0.1MF	5%	50V
C605B	1-124-910-11	ELECT	47MF	20%	50V
C606	1-124-122-11	ELECT	100MF	20%	35V
C608	1-161-494-00	CERAMIC	0.022MF		25V
C609	1-161-494-00	CERAMIC	0.022MF		25V

Ref.No.	Part No.	Description			
C610	1-161-494-00	CERAMIC	0.022MF		25V
C611	1-124-477-11	ELECT	47MF	20%	16V
C612	1-136-153-00	FILM	0.01MF	5%	50V
C613	1-124-477-11	ELECT	47MF	20%	16V
C614	1-162-290-31	CERAMIC	470PF	10%	50V
C615	1-162-290-31	CERAMIC	470PF	10%	50V
C616	1-162-290-31	CERAMIC	470PF	10%	50V
C617	1-161-494-00	CERAMIC	0.022MF		25V
C618	1-124-443-00	(C50)....ELECT	100MF	20%	6.3V
C618	1-126-101-11	(C50M)...ELECT	100MF	20%	16V
C619	1-124-443-00	(C50)....ELECT	100MF	20%	6.3V
C619	1-126-101-11	(C50M)...ELECT	100MF	20%	16V
C620	1-162-290-31	CERAMIC	470PF	10%	50V
C621	1-162-290-31	CERAMIC	470PF	10%	50V
C622	1-124-477-11	ELECT	47MF	20%	16V
C627	1-162-207-31	CERAMIC	22PF	5%	50V
C628	1-124-908-11	ELECT	22MF	20%	25V
C629	1-124-908-11	ELECT	22MF	20%	25V
C630	1-161-494-00	CERAMIC	0.022MF		25V
C631	1-124-443-00	ELECT	100MF	20%	6.3V
C632	1-161-379-00	CERAMIC	0.01MF	30%	16V
C633	1-161-379-00	CERAMIC	0.01MF	30%	16V
C634	1-161-494-00	CERAMIC	0.022MF		25V
C635	1-161-494-00	CERAMIC	0.022MF		25V
C636	1-136-153-00	FILM	0.01MF	5%	50V
C637	1-136-165-00	FILM	0.1MF	5%	50V
CNJ1	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
CNJ2	*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ3	*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ4	*1-564-336-51	PIN, CONNECTOR 2P			
CNJ5	1-563-485-21	JACK, LARGE TYPE			
CNJ8	*1-564-522-11	PLUG, CONNECTOR 7P			
CNJ251	*1-564-720-21	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ601	*1-564-509-11	(C50M)...PLUG, CONNECTOR 6P			
CNJ602	*1-564-499-11	PIN, CONNECTOR 6P			
CNJ603	*1-506-615-11	PIN, CONNECTOR 9P			
CNJ605	*1-564-340-51	PIN, CONNECTOR 6P			
CNJ606	*1-564-336-61	PIN, CONNECTOR 2P			
CNJ607	*1-564-337-71	PIN, CONNECTOR 3P			
CNJ608	*1-564-336-81	PIN, CONNECTOR 2P			
CNJ609	*1-564-706-31	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ611	*1-564-336-51	PIN, CONNECTOR 2P			
CNJ612	*1-564-336-61	PIN, CONNECTOR 2P			
CNJ613	*1-564-337-71	PIN, CONNECTOR 3P			
CNJ614	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			

Ref.No.	Part No.	Description
D1	⚠.8-719-200-77	DIODE 10E2N
D2	⚠.8-719-200-77	DIODE 10E2N
D3	⚠.8-719-200-77	DIODE 10E2N
D4	⚠.8-719-200-77	DIODE 10E2N
D11	8-719-000-26	DIODE US1060M
D20	8-719-000-26	DIODE US1060M
D601	8-719-200-77	DIODE 10E2N
D602	8-719-200-77	DIODE 10E2N
D603	8-719-109-81	DIODE RD4.7ES-B2
D604	8-719-000-26	DIODE US1060M
D605	8-719-200-77	DIODE 10E2N
D606	8-719-000-26	DIODE US1060M
D607	8-719-950-62	DIODE SRA-989A-1
D608	8-719-000-26	DIODE US1060M
D609	8-719-109-89	DIODE RD5.6ES-B2
D610	8-719-000-26	DIODE US1060M
D611	8-719-000-26	DIODE US1060M
D612	8-719-000-26	DIODE US1060M
D613	8-719-970-19	DIODE GP1A521
D614	8-719-970-19	DIODE GP1A521
FL1	1-519-451-11	INDICATOR TUBE, FLUORESCENT
IC1	8-752-031-80	IC CXA1081S
IC2	8-752-032-33	IC CXA1182S
IC3	8-759-947-02	IC CXD1125Q
IC4	8-759-946-62	IC CXD1162P
IC5	8-759-805-35	IC CXD1161P-2
IC6	8-759-600-02	IC M5218L
IC7	8-759-600-02	IC M5218L
IC8	8-759-971-40	IC MSM6408-26SS
IC9	8-759-630-21	IC M5290P-16
IC10	8-759-631-28	IC M50747-101SP
IC11	8-759-805-18	IC LA6520
IC12	8-759-805-18	IC LA6520
IC13	8-759-320-40	IC HD614128SA61
IC15	8-752-320-44	IC CXK5816M-10L
IC201	8-759-145-58	IC UPC4558C
L602	1-408-096-00	INDUCTOR 470UH
M251	A-4608-350-A	MOTOR ASSY, LOADING
M252	X-4917-504-1	MOTOR ASSY, SLED
M253	X-4917-523-1	MOTOR ASSY, SPINDLE
M602	A-4608-351-A	MOTOR ASSY, ROTARY
PN1	1-566-921-11	JACK, PIN 2P (LINE OUT)
PS1	⚠1-532-685-00	(AEP,UK,E)...LINK, IC
PS2	⚠1-532-685-00	(AEP,UK,E)...LINK, IC

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
Q1	8-729-209-15	TRANSISTOR 2SD2012
Q2	8-729-209-60	TRANSISTOR 2SB1375
Q3	8-729-801-83	TRANSISTOR 2SB1013
Q7	8-729-115-79	TRANSISTOR BA1A4M
Q8	8-729-806-38	TRANSISTOR 2SC3399
Q9	8-729-806-38	TRANSISTOR 2SC3399
Q11	8-729-107-77	TRANSISTOR 2SC3623-L
Q14	8-729-115-12	TRANSISTOR BN1L4M
Q15	8-729-115-12	TRANSISTOR BN1L4M
Q16	8-729-806-34	TRANSISTOR 2SC3400
Q17	8-729-107-77	TRANSISTOR 2SC3623-L
Q18	8-729-107-77	TRANSISTOR 2SC3623-L
Q19	8-729-107-77	TRANSISTOR 2SC3623-L
Q20	8-749-920-03	IC GP1U52
Q601	8-729-117-54	TRANSISTOR 2SA1175
Q602	8-729-173-13	TRANSISTOR 2SB731
Q603	8-729-115-79	TRANSISTOR BA1A4M
Q604	8-729-806-38	TRANSISTOR 2SC3399
Q606	8-729-904-10	TRANSISTOR PT360FS
R101	1-249-425-11	CARBON 4.7K 5% 1/4W
R102	1-249-425-11	CARBON 4.7K 5% 1/4W
R104	1-249-424-11	CARBON 3.9K 5% 1/4W
R109	1-249-385-11	CARBON 2.2 5% 1/4W
R201	1-249-417-11	CARBON 1K 5% 1/4W
R202	1-249-435-11	CARBON 33K 5% 1/4W
R203	1-249-435-11	CARBON 33K 5% 1/4W
R204	1-249-439-11	CARBON 68K 5% 1/4W
R205	1-249-439-11	CARBON 68K 5% 1/4W
R206	1-249-440-11	CARBON 82K 5% 1/4W
R207	1-249-440-11	CARBON 82K 5% 1/4W
R208	1-249-417-11	CARBON 1K 5% 1/4W
R209	1-249-417-11	CARBON 1K 5% 1/4W
R210	1-249-417-11	CARBON 1K 5% 1/4W
R211	1-249-417-11	CARBON 1K 5% 1/4W
R212	1-249-413-11	CARBON 470 5% 1/4W
R213	1-249-413-11	CARBON 470 5% 1/4W
R214	1-249-441-11	CARBON 100K 5% 1/4W
R215	1-249-441-11	CARBON 100K 5% 1/4W
R216	1-249-425-11	CARBON 4.7K 5% 1/4W
R217	1-249-425-11	CARBON 4.7K 5% 1/4W
R218	1-249-425-11	CARBON 4.7K 5% 1/4W
R219	1-249-425-11	CARBON 4.7K 5% 1/4W
R220	1-249-433-11	CARBON 22K 5% 1/4W
R221	1-249-418-11	CARBON 1.2K 5% 1/4W
R222	1-249-433-11	CARBON 22K 5% 1/4W
R223	1-249-433-11	CARBON 22K 5% 1/4W

Ref.No.	Part No.	Description
R224	1-249-433-11	CARBON 22K 5% 1/4W
R225	1-249-433-11	CARBON 22K 5% 1/4W
R226	1-247-903-00	CARBON 1M 5% 1/4W
R227	1-247-903-00	CARBON 1M 5% 1/4W
R228	1-247-883-00	CARBON 150K 5% 1/4W
R229	1-247-883-00	CARBON 150K 5% 1/4W
R301	1-247-864-11	CARBON 24K 5% 1/4W
R302	1-249-433-11	CARBON 22K 5% 1/4W
R303	1-249-431-11	CARBON 15K 5% 1/4W
R304	1-249-431-11	CARBON 15K 5% 1/4W
R305	1-215-437-00	METAL 4.7K 1% 1/6W
R306	1-249-417-11	CARBON 1K 5% 1/4W
R307	1-247-692-11	CARBON 22 5% 1/4W
R308	1-249-405-11	CARBON 100 5% 1/4W
R309	1-215-437-00	METAL 4.7K 1% 1/6W
R310	1-247-882-11	CARBON 130K 5% 1/4W
R311	1-247-889-00	CARBON 270K 5% 1/4W
R312	1-249-435-11	CARBON 33K 5% 1/4W
R313	1-249-440-11	CARBON 82K 5% 1/4W
R314	1-249-425-11	CARBON 4.7K 5% 1/4W
R315	1-249-423-11	CARBON 3.3K 5% 1/4W
R316	1-249-437-11	CARBON 47K 5% 1/4W
R317	1-249-435-11	CARBON 33K 5% 1/4W
R320	1-247-880-11	CARBON 110K 5% 1/4W
R321	1-249-441-11	CARBON 100K 5% 1/4W
R322	1-247-880-11	CARBON 110K 5% 1/4W
R323	1-249-441-11	CARBON 100K 5% 1/4W
R325	1-247-896-11	CARBON 510K 5% 1/4W
R326	1-249-414-11	CARBON 560 5% 1/4W
R327	1-249-433-11	CARBON 22K 5% 1/4W
R328	1-249-429-11	CARBON 10K 5% 1/4W
R329	1-249-441-11	CARBON 100K 5% 1/4W
R330	1-215-434-00	METAL 3.6K 1% 1/6W
R331	1-249-441-11	CARBON 100K 5% 1/4W
R332	1-247-903-00	CARBON 1M 5% 1/4W
R333	1-249-434-11	CARBON 27K 5% 1/4W
R334	1-249-429-11	CARBON 10K 5% 1/4W
R335	1-249-441-11	CARBON 100K 5% 1/4W
R336	1-249-441-11	CARBON 100K 5% 1/4W
R337	1-215-469-00	METAL 100K 1% 1/6W
R338	1-215-469-00	METAL 100K 1% 1/6W
R341	1-249-429-11	CARBON 10K 5% 1/4W
R342	1-249-417-11	CARBON 1K 5% 1/4W
R343	1-249-417-11	CARBON 1K 5% 1/4W
R345	1-249-417-11	CARBON 1K 5% 1/4W

Ref.No.	Part No.	Description				
R346	1-249-417-11	CARBON	1K	5%	1/4W	
R347	1-249-417-11	CARBON	1K	5%	1/4W	
R348	1-249-417-11	CARBON	1K	5%	1/4W	
R349	1-249-411-11	CARBON	330	5%	1/4W	
R360	1-249-424-11	CARBON	3.9K	5%	1/4W	
R361	1-249-438-11	CARBON	56K	5%	1/4W	
R602	1-249-431-11	CARBON	15K	5%	1/4W	
R603 ⚠	1-212-857-00	(AEP,UK,E)...FUSIBLE	10	5%	1/4W	F
R604	1-249-418-11	(AEP,UK,E)...CARBON	1.2K	5%	1/4W	
R604	1-249-424-11	(Canadian)....CARBON	3.9K	5%	1/4W	
R605	1-249-417-11	CARBON	1K	5%	1/4W	
R606	1-247-850-11	CARBON	6.2K	5%	1/4W	
R608	1-249-405-11	CARBON	100	5%	1/4W	
R609	1-249-438-11	CARBON	56K	5%	1/4W	
R610	1-249-441-11	CARBON	100K	5%	1/4W	
R611	1-247-880-11	CARBON	110K	5%	1/4W	
R612	1-249-441-11	CARBON	100K	5%	1/4W	
R613	1-247-880-11	CARBON	110K	5%	1/4W	
R615	1-249-436-11	CARBON	39K	5%	1/4W	
R616	1-249-435-11	CARBON	33K	5%	1/4W	
R617	1-249-417-11	CARBON	1K	5%	1/4W	
R618	1-249-417-11	CARBON	1K	5%	1/4W	
R619	1-249-429-11	CARBON	10K	5%	1/4W	
R620	1-249-416-11	CARBON	820	5%	1/4W	
R621	1-249-406-11	CARBON	120	5%	1/4W	
R622	1-249-429-11	CARBON	10K	5%	1/4W	
R623	1-249-433-11	CARBON	22K	5%	1/4W	
R624	1-249-433-11	CARBON	22K	5%	1/4W	
R625	1-249-433-11	CARBON	22K	5%	1/4W	
R626	1-249-433-11	CARBON	22K	5%	1/4W	
R627	1-249-433-11	CARBON	22K	5%	1/4W	
R628	1-249-433-11	CARBON	22K	5%	1/4W	
R629	1-249-421-11	CARBON	2.2K	5%	1/4W	
R630	1-247-903-00	CARBON	1M	5%	1/4W	
R631	1-249-434-11	CARBON	27K	5%	1/4W	
R632	1-249-434-11	CARBON	27K	5%	1/4W	
R633	1-249-417-11	CARBON	1K	5%	1/4W	
R634	1-249-417-11	CARBON	1K	5%	1/4W	
R635	1-249-417-11	CARBON	1K	5%	1/4W	
R636	1-249-417-11	CARBON	1K	5%	1/4W	
R637	1-249-417-11	CARBON	1K	5%	1/4W	
R638	1-249-417-11	CARBON	1K	5%	1/4W	
R639	1-249-425-11	CARBON	4.7K	5%	1/4W	
R640	1-249-425-11	CARBON	4.7K	5%	1/4W	
R641	1-249-425-11	CARBON	4.7K	5%	1/4W	
R642	1-249-425-11	CARBON	4.7K	5%	1/4W	
R643	1-249-425-11	CARBON	4.7K	5%	1/4W	
R644	1-249-433-11	CARBON	22K	5%	1/4W	
R645	1-249-417-11	CARBON	1K	5%	1/4W	
R647	1-249-433-11	CARBON	22K	5%	1/4W	
R648	1-249-433-11	CARBON	22K	5%	1/4W	
R649	1-249-416-11	CARBON	820	5%	1/4W	
R650	1-249-417-11	CARBON	1K	5%	1/4W	
R651	1-249-417-11	CARBON	1K	5%	1/4W	
R653	1-249-417-11	CARBON	1K	5%	1/4W	
R654	1-249-417-11	CARBON	1K	5%	1/4W	
R655	1-249-405-11	CARBON	100	5%	1/4W	
R656	1-249-425-11	CARBON	4.7K	5%	1/4W	
R670	1-249-417-11	CARBON	1K	5%	1/4W	

Ref.No.	Part No.	Description
RV1	1-228-995-00	RES, ADJ, CARBON 22K
RV2	1-228-993-00	RES, ADJ, CARBON 4.7K
RV3	1-228-995-00	RES, ADJ, CARBON 22K
RV4	1-228-995-00	RES, ADJ, CARBON 22K
RV5	1-228-990-00	RES, ADJ, METAL GLAZE 1K
RV6	1-238-085-11	REA, VAR, CARBON 20K/20K
S252	1-571-274-11	SWITCH, LEAF (LIMIT IN)
S601 ⚠	1-571-309-11	(E)...SWITCH, VOLTAGE SELECT
SW101 ⚠	1-571-305-11	SWITCH, PUSH (1 KEY)(POWER)
SW102	1-570-157-21	(C50)....SWITCH, SLIDE (TIMER)
SW102	1-570-707-21	(C50M)...SWITCH, SLIDE (TIMER)
SW103	1-554-205-00	SWITCH, PUSH (CLOSE)
SW104	1-571-300-11	SWITCH, ROTARY (OPEN)
SW105	1-571-453-11	SWITCH, LEVER SLIDE (DOWN)
SW106	1-554-596-21	SWITCH, KEY BOARD (■)
SW107	1-554-596-21	SWITCH, KEY BOARD (OPEN/CLOSE)
SW108	1-554-596-21	SWITCH, KEY BOARD (3)
SW109	1-554-596-21	SWITCH, KEY BOARD (1)
SW110	1-554-596-21	SWITCH, KEY BOARD (▶/❚❚)
SW111	1-554-596-21	SWITCH, KEY BOARD (⏮)
SW112	1-554-596-21	SWITCH, KEY BOARD (4)
SW113	1-554-596-21	SWITCH, KEY BOARD 'TIME)
SW114	1-554-596-21	SWITCH, KEY BOARD (DISK SKIP)
SW115	1-554-596-21	SWITCH, KEY BOARD (▶▶⏭)
SW116	1-554-596-21	SWITCH, KEY BOARD (5)
SW117	1-554-596-21	SWITCH, KEY BOARD (2)
SW252	1-571-274-11	SWITCH, LEAF (LIMIT IN)
T101 ⚠	1-449-216-11	(Canadian)...TRANSFORMER, POWER
T101 ⚠	1-449-217-11	(AEP,UK).....TRANSFORMER, POWER
T101 ⚠	1-449-218-11	(E).....TRANSFORMER, POWER
X601	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)
X602	1-567-741-11	VIBRATOR, CRYSTAL (16MHz)
X603	1-577-082-11	VIBRATOR, CERAMIC (6MHz)

ACCESSORY & PACKING MATERIAL

1-463-990-11	REMOTE COMMANDER (RM-D55)
1-558-543-11	CORD, CONNECTION
3-769-921-11	MANUAL, INSTRUCTION
3-769-921-41	(AEP)...MANUAL, INSTRUCTION
*3-795-629-11	(AEP)...INSTRUCTION
*4-924-456-01	CUSHION (LEFT)
*4-924-457-01	CUSHION (RIGHT)
*4-924-458-01	(C50)....INDIVIDUAL CARTON
*4-924-459-11	(C50M)...INDIVIDUAL CARTON

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

9-953-350-12
(Including 9-953-350-91
9-953-350-92)

Sony Corporation
Audio Group

English
90C0605-1 (2)
Printed in Japan
©1988.5
Published by Customer Relations and Service Group